openEHR - what is it?

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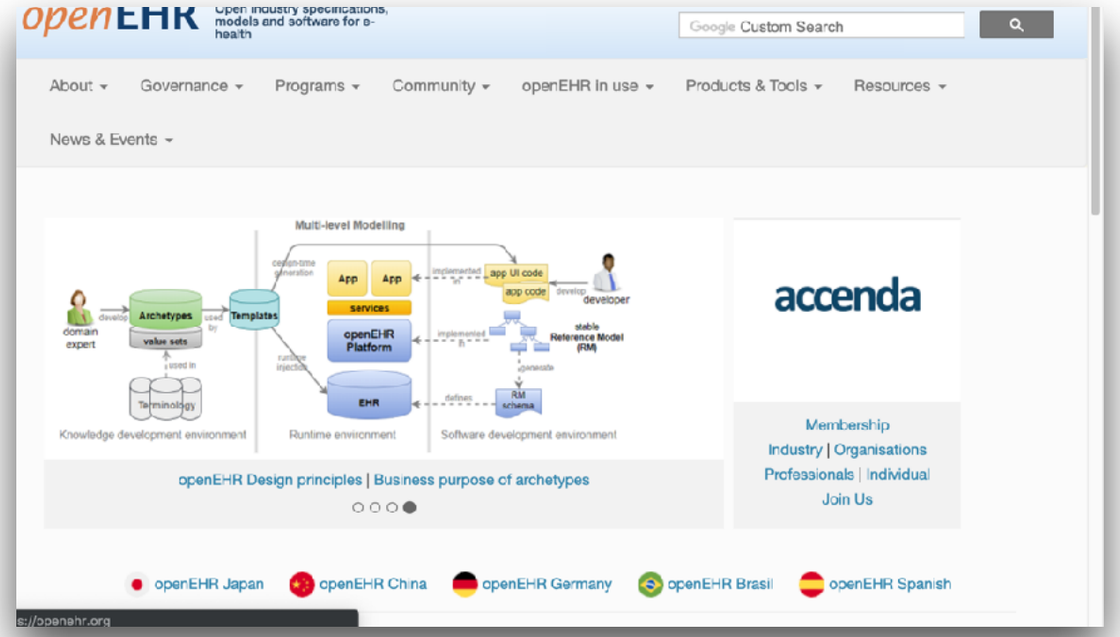
CCIO freshEHR / inidus
INTEROPen Board member

openEHR

What is openEHR?

- An open specification for a health ‘information model’
- capable of supporting an open platform ecosystem
  - vendor neutral
  - technology neutral
- licensed to allow open and closed source business models
- Non-Profit ‘industry / clinical/ health organisation’ collaborative
  - openEHR International/ openEHR Foundation



openehr.org

openEHR - Specifications

- openEHR Reference model
  - how health data is represented in a patient record
  - Normal technical specifications as UML etc

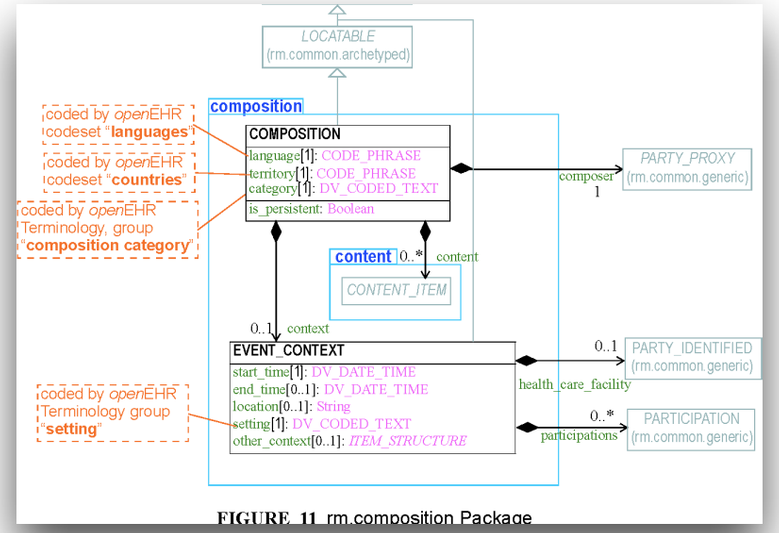
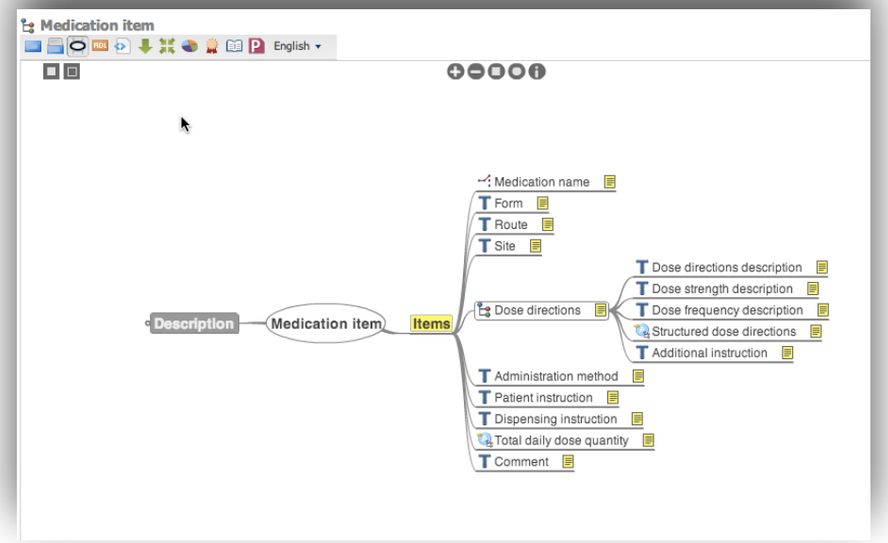


FIGURE 11 rm.composition Package

- Clinical information modelling
  - Archetypes
  - Governed independently
  - Clinically-driven



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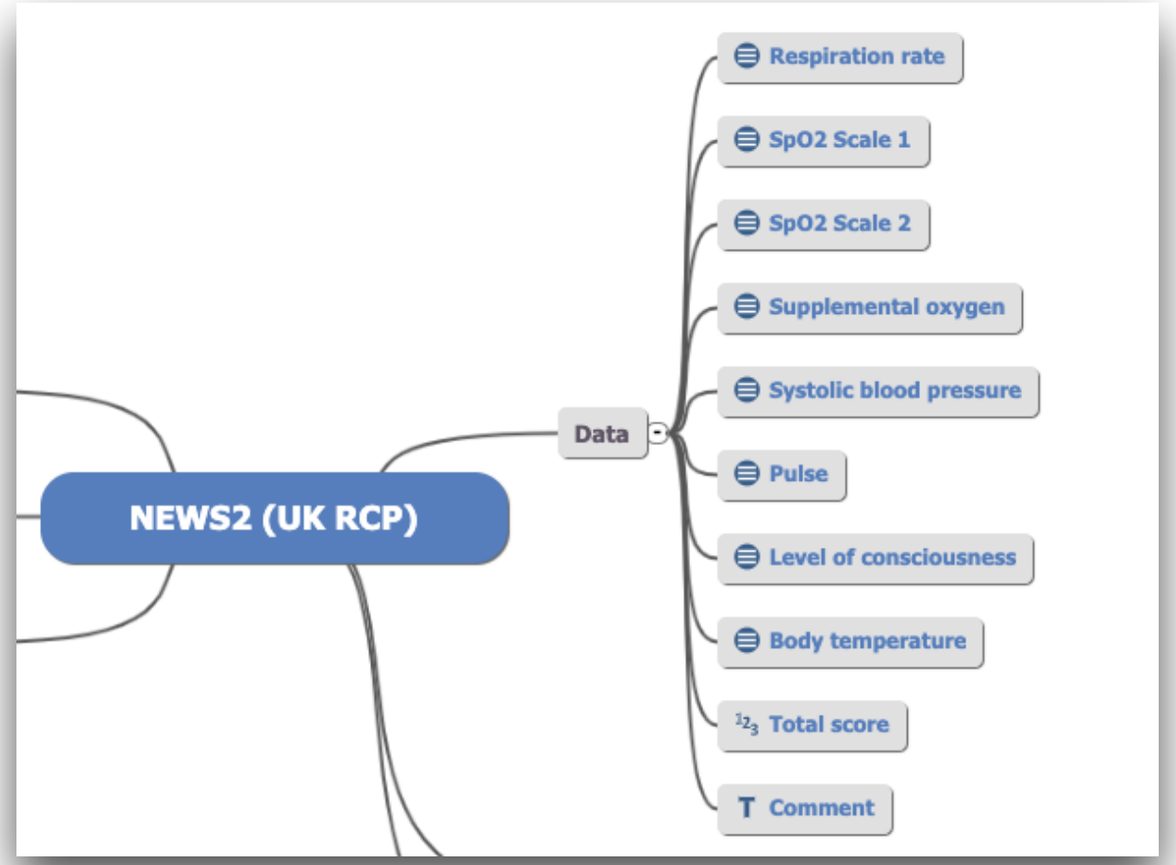
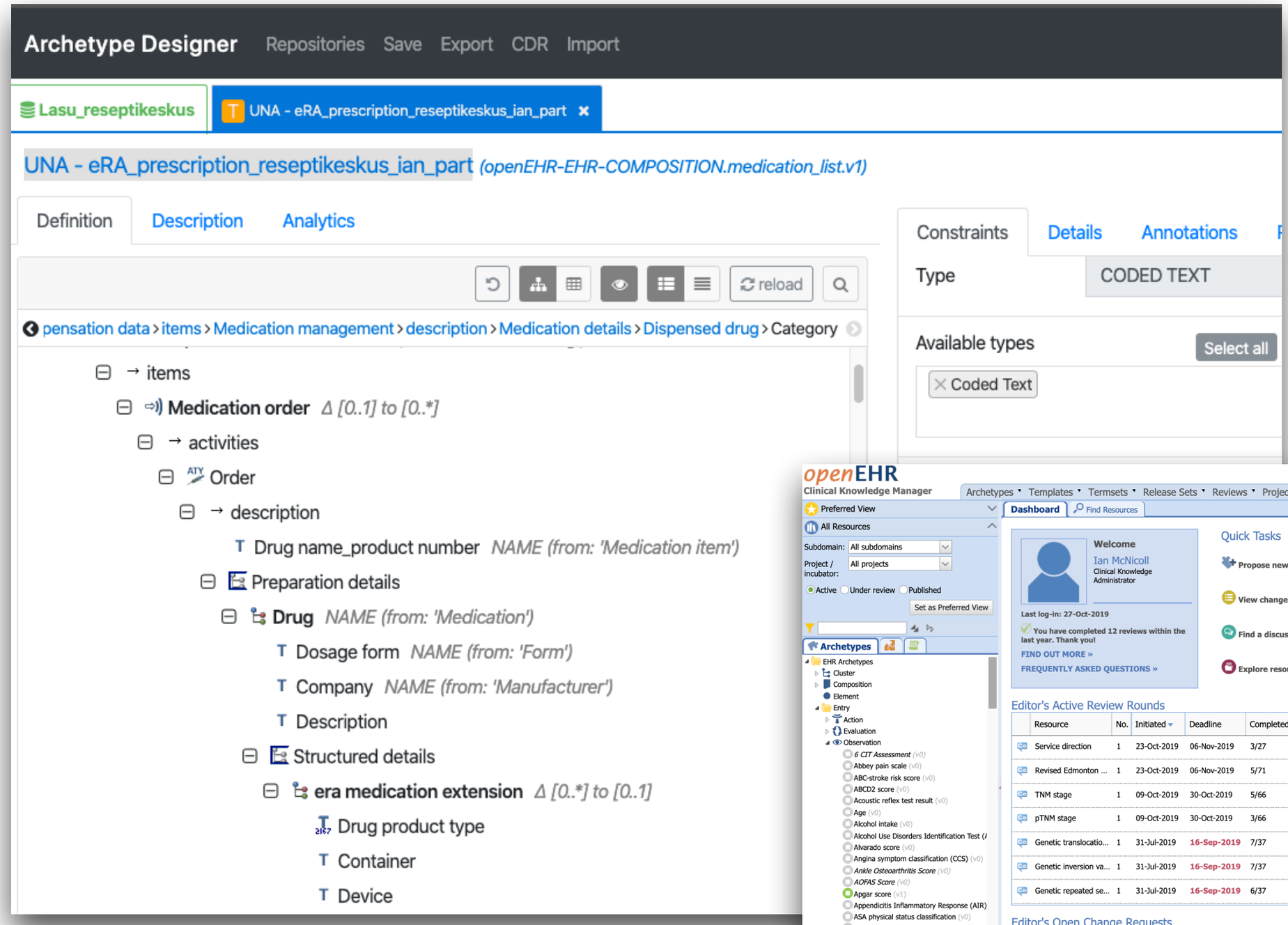
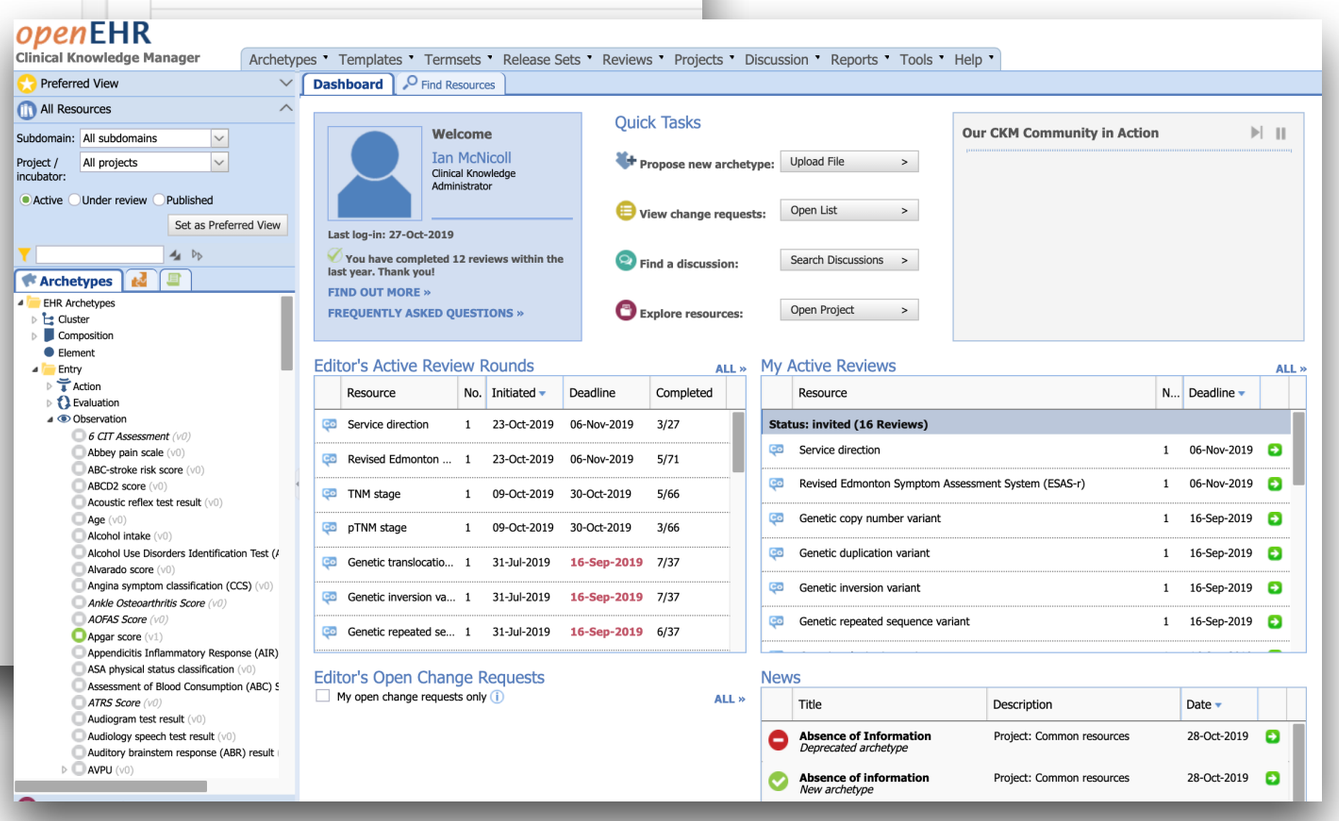
openEHR: Archetypes

- open source computable models of discrete clinical concepts
- Familiar components of a health record
  - Blood pressure, Body weight
  - Medication order, Family history
- ‘Maximal dataset’
  - Capture as many clinical perspectives as possible
- Collaborative review by ‘CKM’ tools



openEHR archetype/template tooling





CDR: Clinical Data Repository

- Smart datastore which natively stores, retrieves, queries openEHR data via a standard API

- All data completely available
- Vendor-neutral querying
- No engineering deployment

DIPS

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Smart Data. Smart Care.

code 24 .NL

EtherCIS
an open source openEHR server

better

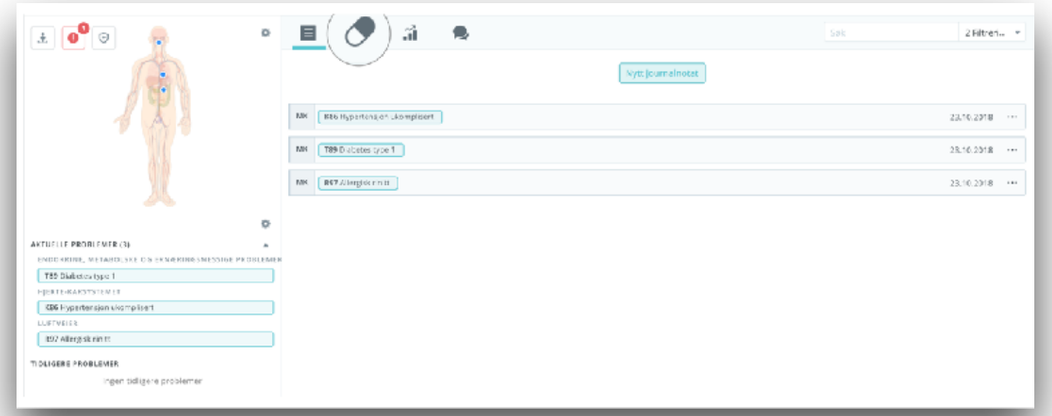
CaboLabs

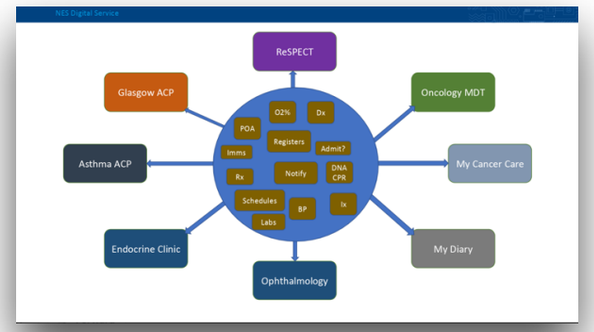
EHRbase

openEHR

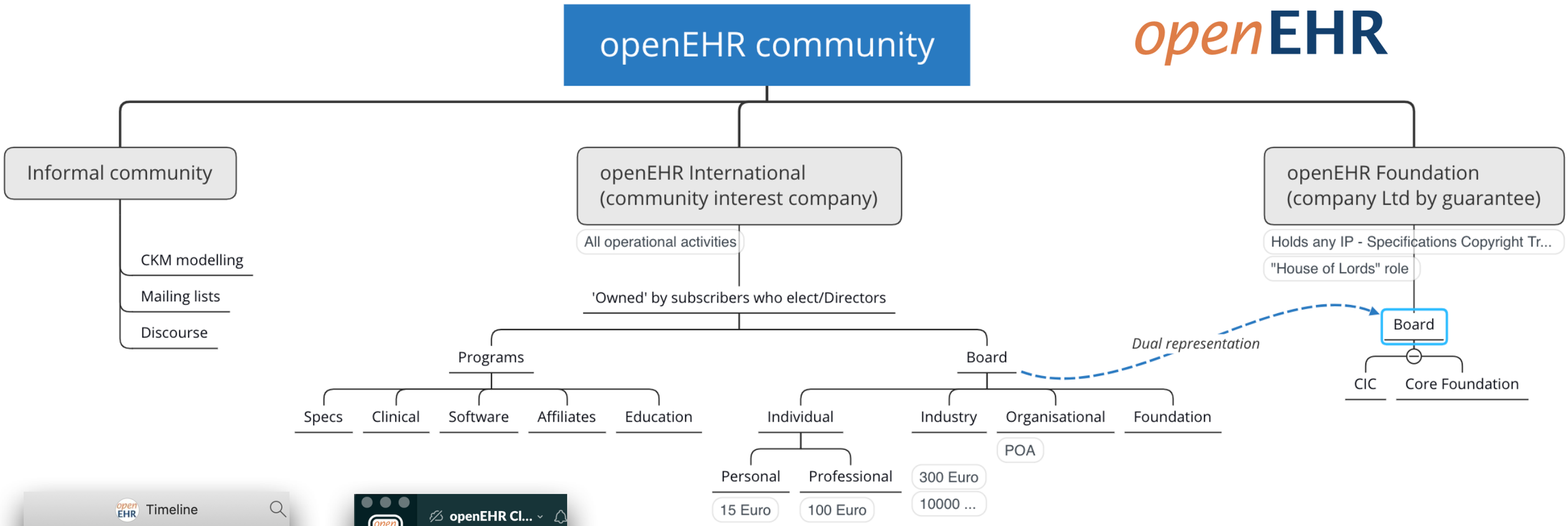
openEHR standard-based health and care records and applications

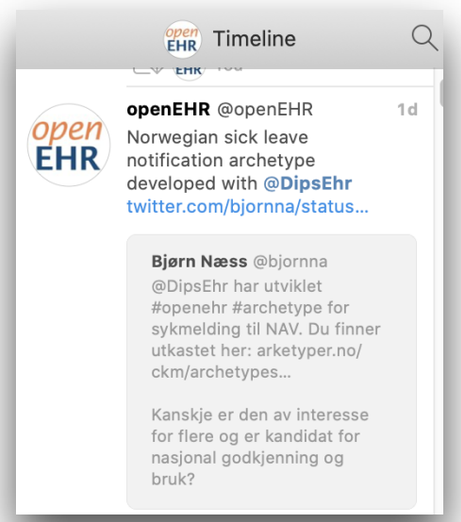
Genomics england

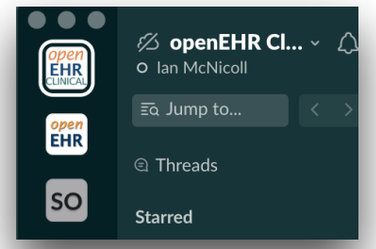


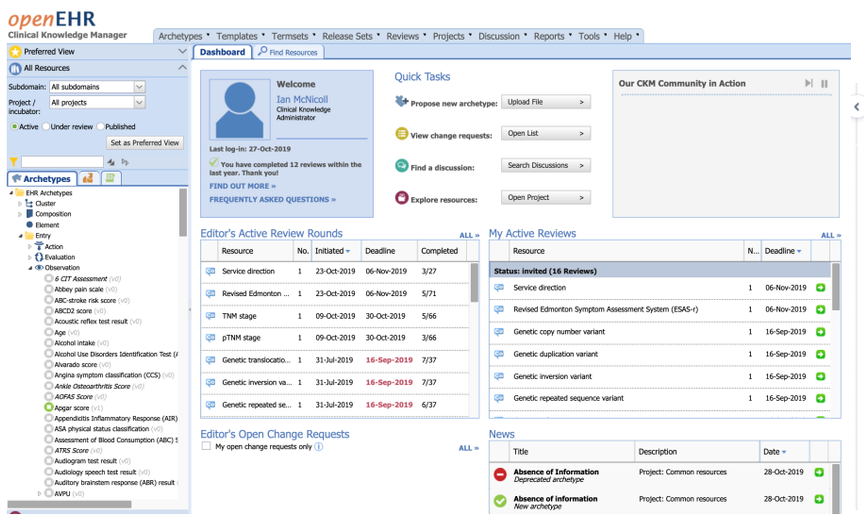


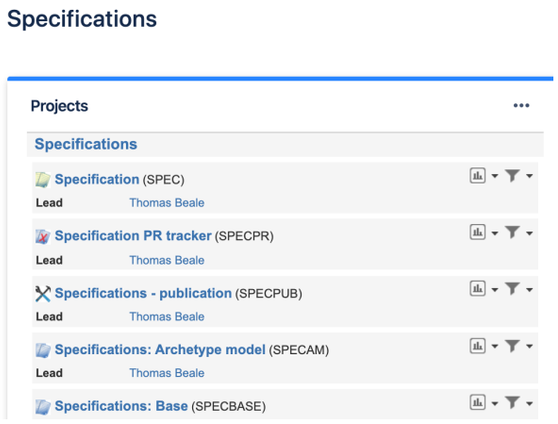
openEHR International











Foundations

Professor Emeritus David Ingram, PhD

2002 -

David Ingram is Emeritus Professor of Health Informatics at UCL, President of the openEHR Foundation and a Trustee of the OpenEyes Charity. He was appointed to the first Chair in Medical Informatics in the UK, in 1989, and went on to establish the UCL Centre for Health Informatics and Multiprofessional Education, in 1995, of which he was Director until his retirement in 2011.

David led the foundational health record architecture research of the GEHR Project, within the EU, starting in 1991. From this and subsequent projects and collaborations emerged the openEHR Foundation - of which he was Founding Chair from 2002-2012 - and principal contributions of CHIME colleagues towards the CEN and ISO 13606 standards.

Thomas Beale

Oct 2016 -

Thomas's academic background is in Electrical Engineering (communications) and Computer Science. His earlier professional work was in real-time distributed control (SCADA) systems for power, gas and mining; investment management and finance, and document and software configuration management systems.

After participating in the GEHR project in 1994 with Prof David Ingram's team at CHIME, UCL (UK), he worked since 1998 on EHR architectures, and participated in international standards work (OMG HDTF, HL7, CEN TC/251) for many years. He is one of the founders of the openEHR Foundation, and principal editor of the specifications. He designed the archetype formalism (ADL) and object model (AOM), now an ISO standard. He ran the Architecture Review Board 2005 - 2008.

He has published a number of papers in health informatics and has also presented widely on EHRs, e-Health and archetypes.

Sam Heard MD, FRACGP, MRCGP, FACHI

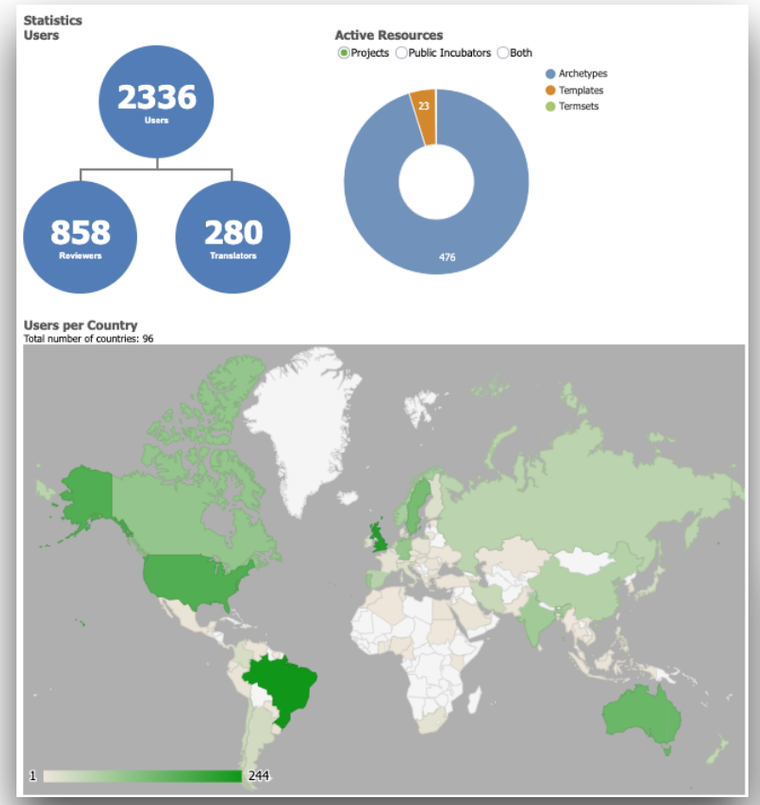
2000 -

Sam Heard is a practicing clinician who has worked throughout his career in inner London (UK) and the Northern Territory (Australia) to assist the standardisation of health information to empower clinicians and their patients to improve health care and outcomes.

This work began with the Good European Health Record in the early 90s, continued through a long collaboration with Thomas Beale and CHIME at UCL, the establishment of Ocean Informatics as a commercial vehicle to assist in the vision and culminating in setting up the openEHR Foundation in London in 2002.

The work has continued as a Director of the openEHR Foundation, and CEO until 2012 and current board Chair of Ocean Health Systems. Sam was a foundation co-Chair of the HL7 EHR Technical Committee and has worked extensively with the UK and Australian national programs to utilise and refine the openEHR method.

Community



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